

2018 AWWA Water Audit Level 1 Validation

Water System Name: Nevada Irrigation District

Water System ID Number: 581005/Smartsville

Water Audit Period: 2018

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

In 2018 NID started the replacement of AMR meters with AMI meters. The current replacement program is reactive where meters are only replaced as units fail. This is the smallest system, and NID hopes to have the replacement completed in the upcoming year. Using the AMI water consumption data, NID compares customer usage with treatment plant trends in order to find large losses of water in the system.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Greg Jones

Interim General Manager

Executive Name (Print)

Executive Position

Signature

Date

Utility Provided

AWWA Water Audit Level 1 Validation – Review Document

Audit Information:

Utility: Nevada Irrigation District – Smartsville PWS ID: 581005
 System Type: Potable Audit Period: Validation conducted for Calendar Year Audits 2018 and 2019
 Utility Representation: Aurora Tipton, Kaycee Strong
 Validation Date: 2/3/2021 Call Time: 10:00am PT Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics for CY2018:

Data Validity Score: 61 Data Validity Band (Level): Band III (51-70)
 ILL: n/a Real Loss: 93.60 (gal/conn/day)
 Apparent Loss: 4.84 (gal/conn/day)
 NRW as percent of cost of operating system: 10.7%

Key Audit Metrics for CY2019:

Data Validity Score: 61 Data Validity Band (Level): Band III (51-70)
 ILL: n/a Real Loss: 99.66 (gal/conn/day)
 Apparent Loss: 4.64 (gal/conn/day)
 NRW as percent of cost of operating system: 6.5%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Will Jernigan, P.E. Validator Qualifications: WAV Certified

Validator Provided